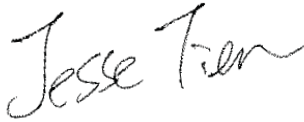


Radio Frequency Exposure

Report Number	MLT2211P15002
Applicant	VAXEE Corporation
Product	VXD01
Sample Received Date	2022/11/29
Sample Tested Date	2023/02/08

Report Prepared By	Jesse Tien
Signature	
Date Prepared	2023/02/09

Report Authorized By	Roger Chen
Signature	
Date Authorized	2023/02/09

EUT INFORMATION

EUT	VXD01
Frequency band (Operating)	2.402~2.480 GHz
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☒ Tx/Rx diversity
Field strength	90.64 dBuV/m @3m
Antenna gain (Max)	1.3 dBi

TEST RESULT

According to KDB 447498 D01 v06 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

The min. test separation distance (mm) is 5 mm,

$$e_{\text{irp}} = p_t \cdot g_t = (E \cdot d)^2 / 30$$

where:

p_t = transmitter output power in watts,

g_t = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, --- $10^{((\text{dBuV/m})/20)}/10^6$

d = measurement distance in meters (m) --- 3m

$$\text{So } p_t = (E \cdot d)^2 / (30 \cdot g_t)$$

Ant. numeric gain, Ant. = 1.3 dBi = 1.35

$$\text{So } p_t = \{[10^{(90.64/20)}/10^{6 \cdot 3}]^2 / (30 \cdot 1.35)\} \cdot 1000 = 0.258 \text{ mW}$$

So (0.258 mW/5 mm)* $\sqrt{2.402 \text{ GHz}}$ = **0.080** < 3.0 for 1-g SAR

Therefore, standalone SAR measurements are not required for both head and body.